

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090418\  
 Data File : VV007379.D  
 Acq On : 05 Sep 2018 12:52  
 Operator : SY/MD  
 Sample : J4678-09MSD  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E5FC5MSD

Quant Time: Sep 06 01:06:15 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090418WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 06 00:43:59 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 512961   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 484436   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 187425   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 157574   | 43.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 86.02%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 98272    | 40.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 81.88%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 312128   | 48.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.72%  |
| 21) 2-Butanone-d5              | 3.96    | 46    | 265370   | 89.04    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 89.04%  |
| 24) Chloroform-d               | 4.41    | 84    | 347144   | 45.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 221776   | 48.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.02%  |
| 32) Benzene-d6                 | 5.11    | 84    | 701814   | 48.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.14%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 239997   | 49.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.10%  |
| 41) Toluene-d8                 | 7.37    | 98    | 574431   | 45.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.40%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 96551    | 46.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.66%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 178599   | 93.11    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 93.11%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 300772   | 45.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 215603   | 53.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.04% |

## Target Compounds

|                           |      |     |        |       |      | Ovalue |
|---------------------------|------|-----|--------|-------|------|--------|
| 12) 1,1-Dichloroethene    | 2.14 | 96  | 169488 | 52.24 | ug/L | 98     |
| 30) 1,1,1-Trichloroethane | 4.66 | 97  | 24882  | 4.21  | ug/L | 100    |
| 33) Benzene               | 5.15 | 78  | 831771 | 53.68 | ug/L | 100    |
| 34) Trichloroethene       | 5.96 | 95  | 215209 | 56.89 | ug/L | 98     |
| 42) Toluene               | 7.44 | 91  | 802183 | 53.81 | ug/L | 99     |
| 51) Chlorobenzene         | 8.93 | 112 | 507965 | 50.46 | ug/L | 99     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090418\  
Data File : VV007379.D  
Acq On : 05 Sep 2018 12:52  
Operator : SY/MD  
Sample : J4678-09MSD  
Misc : 5.0 mL/MSVOA V/WATER  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
E5FC5MSD

Quant Time: Sep 06 01:06:15 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090418WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Sep 06 00:43:59 2018  
Response via : Initial Calibration

